E & M J METAL AND MINERAL MARKETS

Weekly Market Information Issued by the Publishers of Engineering and Mining Journal

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Expands Titanium Oxide Plant

National Lead Co. is expanding its plant capacity for the production of titanium pigments, Joseph A. Martino, president, announced last week. Additional capacity will be added first to the company's St. Louis plant and will step up output of titanium pigments by 60,000 to 70,000 tons a year. First production is expected to be realized from the new facilities within a year and full production within 18 months.

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Magnesium Wrought Products

Shipments of magnesium wrought products during May amounted to 850,000 lb., which compares with 998,000 lb. in April and 756,000 lb. in May a year ago, the Bureau of the Census reports. Shipments in the first five months of 1950 totaled 4,429,000 lb., against 3,182,000 lb. in the same period of 1949.

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U. K. Copper Consumption

Consumption of copper in the United Kingdom in May totaled 43,409 long tons, of which 27,709 tons was primary and 15,700 tons was obtained from scrap. Use of copper in the first five months of 1949, in tons, was as follows:

	Primary	Scrap	Total
January	25,088	16,887	41,975
February	25,506	14,574	40,080
March	29,200	17,246	46,446
April	22,884	13,564	36,448
May	27,709	15,700	43,409
Totals	130,385	77,971	208,356

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Longhorn Tin Production

Production of pig tin at the Longhorn (Texas City) smelter during 1949, by months, and the first half of 1950, in long tons:

	1949	1950
January	3,257	2,627
February	3,254	2,362
March	3,194	2,279
April	2,851	2,484
May	3,007	2,952
June	3,098	2,560
July	2,910	....
August	3,065	....
September	2,910	....
October	2,964	....
November	2,994	....
December	2,791	....
Total	36,053	....

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Steel Rate at 99.4%

The operating rate of the steel industry for the week beginning July 17 was estimated at 99.4% of capacity, against 96% in the preceding week, the American Iron and Steel Institute reports.

Production for the week was estimated at 1,894,800 tons of ingots and castings.

Lead Price Increases to 12.00c. New York. Tin Price Rises and Reverses Sharply

President Truman recommended yesterday that Congress enact legislation to establish priorities and allocate materials as necessary to promote national security, and to limit their use for non-essential purposes. In anticipation of this announcement, and because of changing developments in the Korean crisis, metal markets reacted as follows: Tin prices rose sharply and reversed during the week. Lead was increased to 12.00c., New York on July 13, and demand remained heavy throughout the week. Mercury firmed up for the first time in a long period. Demand for copper and zinc remains in excess of supply.

Copper

The House approved a bill to suspend the 2-cents-per-pound import duty on copper until June 30, 1951, retroactive to June 30, 1950. The measure is now before the Senate where speedy action is expected, possibly this week. Opposition to the measure in the Senate has virtually ceased, although it is expected that the length of the suspension period may be shortened from one year to eight or nine months as a compromise.

Demand for copper continued to be in excess of metal available. Deliveries to fabricators in June totaled 126,047 tons. If estimates of deliveries to Government stockpile are added, total June deliveries probably exceeded 150,000 tons. It is also estimated that copper sales for July delivery have already exceeded the 100,000-ton mark. The price of copper remains unchanged at 22½c. per pound, Connecticut Valley.

In the export market, sellers are being asked for more copper than is available. Some of the ECA countries are requesting authorization to purchase metal from countries other than U.S.A., and some foreign countries are inviting quotations for copper payable in soft currencies. Copper in the foreign division of the market sold at the equivalent of 22½c. f.a.s., New York.

Lead

The price of lead advanced from 11.50c., New York, to 12.00c. on July 13, and all sellers followed. A heavy demand was sustained at the higher price level throughout the week. Sales for the week in the domestic market totaled 31,574 tons as compared with 19,492 tons for the previous week.

Domestic mine production of recoverable lead totaled 27,780 short tons in May, as compared with 35,612 tons for April, according to the U.S. Bureau of Mines.

Foreign lead is quotable on a purely nominal basis at 11c. to 11½c. per pound, f.a.s. Gulf ports

Zinc

The supply situation in the domestic zinc market remains extremely tight, and may get worse if the Government should request preferences for war orders. Higher prices for zinc are not regarded with favor by sellers because they would not bring out appreciable additional quantities of zinc. Price increases in the face of the present emergency would also invite Government scrutiny, and possibly regulation. The Prime Western price remains unchanged at 15c. per pound, East St. Louis.

Domestic mine production of recoverable zinc totaled 51,576 tons in May, as compared with 49,113 tons in April of this year. Canadian exports of slab zinc to the United States totaled 9,827 tons in May.

Export inquiry was heavy during the week. Business was reported on the basis of 16c. per pound for the common grade, f.a.s. Gulf ports.

Tin

Tin markets continue to be very sensitive to changing conditions in the Korean crisis. The London market rose sharply to £724¼ per long ton on July 14 only to reverse itself and drop to £681½ by July 19., reflecting the change from unfavorable to favorable developments in Korea. The calling of a conference to establish an international tin agreement was virtually assured by action of the Economic Social Council at Geneva on July 13.

(Continued on page 5)

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MARKETS

Weekly Market Information
Issued by the Publishers of
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ALFRED M. STADDLE, *Publisher*
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E&MJ Metal and Mineral Markets is published each Thursday with a daily quotation for copper, lead, zinc, tin, and silver. Commodities that change price infrequently are quoted at weekly or monthly intervals, according to their importance. Official weekly and calendar weekly averages, also monthly averages, are published for copper, lead, zinc, tin, and silver in the United States market.

Aluminum Production in May Totaled 61,929 Tons

Primary aluminum production in May increased to 61,929 tons, a new high for the postwar period, according to Donald M. White, secretary of the Aluminum Association. Production in the first five months of 1950 totaled 281,291 tons, which compares with 268,942 tons in the Jan.-May period of 1949.

Production of primary aluminum in the United States in 1949 and the first five months of 1950, in tons, was as follows:

	1949	1950
January	53,356	52,623
February	49,749	50,668
March	54,852	58,747
April	54,076	58,024
May	56,909	61,929
June	54,184	.....
July	55,777	.....
August	52,001	.....
September	49,742	.....
October	45,790	.....
November	35,865	.....
December	41,161	.....
Total	663,462	.....

May shipments of aluminum wrought products totaled 127,531,000 lb., which compares with 129,383,000 lb. in April, the Bureau of the Census reports. The cumulative totals for the Jan.-May period of 1950 and 1949 were 617,975,000 lb. and 549,511,000 lb., respectively.

Aluminum wrought products shipped in the first five months of 1950 and 1949, by major classifications, in thousands of pounds:

	Jan.-May 1950	Jan.-May 1949
Plate, sheet and strip	427,997	392,231
Rolled shapes, rod, etc.	93,995	81,272
Extruded shapes	69,471	69,557
Powder, flake and paste	6,312	5,451
Totals	617,975	549,511

1949 Nickel Consumption Totaled 136,652,228 Pounds

Total consumption of nickel in the United States in 1949 was 136,652,228 lb., which compares with 187,116,518 lb. in 1948, according to final figures issued by the Bureau of Mines. Though consumption of nickel in the production of nickel-alloy, stainless steels and copper-nickel alloys declined, deliveries to the Government's strategic stockpile were greater.

Nickel, exclusive of purchased and home scrap, consumed in the United States in 1948 and 1949, by uses, in pounds of nickel contained:

	1948	1949
Ferrous:		
Stainless steels	32,487,815	23,187,187
Other steels	43,564,600	28,948,410
Cast irons	8,431,667	6,792,472
Non-Ferrous (Comprises alloys containing copper, brass beryllium, magnesium and aluminum)	36,867,726	27,942,549
High-temperature and resistance alloys	13,356,123	8,107,918
Electroplating:		
Anodes	38,625,717	27,620,796
Solutions	1,327,396	1,448,584
Catalysts	1,190,851	994,206
Ceramics	370,709	299,246
Other uses	2,913,905	2,680,862
Totals	187,116,518	136,652,228

Stocks of nickel at consumers' plants at the end of 1949 totaled 17,868,200 lb., of which 12,473,528 lb. consisted chiefly of primary, 2,184,431 lb. was contained in oxide and oxide sinter, 2,908,419 lb. was in matte, and 201,822 lb. was in salts.

Nickel content of unmanufactured products imported into the United States in 1949 was estimated at 182,942,000 lb. Imports for domestic consumption, by classes, in pounds:

	1948	1949
Nickel in ore and matte	27,709,041	22,256,644
In pigs, ingots, etc.	149,384,029	144,680,899
Scrap	2,539,698	2,857,478
Bars, rods, tubes, etc.	31,012	8,826
Nickel oxide	63,022,224	24,483,602
Nickel silver	7,754	.....

Nickel products exported in 1949 totaled 9,006,161 lb. Exports consisted largely of products manufactured from imported raw materials.

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Potash Production in U.S.

A strike in the mines of the Carlsbad district of New Mexico in November and December caused a slight reversal in the long upward trend of production of potash in the United States, according to the Bureau of Mines. Output of marketable potash salts dropped to 2,056,609 tons in 1949, a decrease of 81,884 tons from the 1948 peak of 2,138,493 tons.

Potash salts produced in the United States in 1948 and 1949, by grades, in short tons:

Muriate of potash:	1948	1949
60-62% K_2O (a)	1,523,937	1,513,120
48-50% K_2O min.	143,675	172,475
Manure salts	200,330	177,315
Sulphate, etc.	268,542	193,691
Totals	2,138,493	2,056,609

(a) Includes refined potash and some 93-95% KCl.

Imports in 1949 totaled 43,719 tons (approximate K_2O equivalent 19,216 tons), which compares with 52,890 tons in 1948.

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Beryllium in South Africa

During 1949, the Union of South Africa produced 263 tons of beryllium ore, which compares with 99 tons in 1948, the Department of Mines reports. Exports in 1949 totaled 185 tons, valued at £12,473.

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Mine Production of Gold

Output of recoverable gold from mines in the United States during May totaled 192,743 fine oz., which compares with 184,504 oz. in April, the Bureau of Mines reports. During 1949, based on final annual figures, monthly production of gold in this country was 165,982 oz.

Summary of Copper Statistics

Following is a summary of the most recent copper statistics reported by members of the Copper Institute, figures in tons:

UNITED STATES

	Jan.	Feb.	March	April	(a) May	June
Production:						
Crude, primary	73,625	69,994	78,828	73,852	76,697	76,394
Crude, secondary	12,001	10,762	11,467	9,879	6,171	17,940
Total	85,626	80,756	90,155	83,782	83,267	95,334
Refined	95,279	94,036	113,446	103,293	112,388	113,961
Deliveries, refined	111,668	112,773	123,030	101,729	113,837	126,047
Stock at end, refined	101,870	77,472	60,276	57,830	51,630	50,327

OUTSIDE UNITED STATES

	Jan.	Feb.	March	April	(a) May	June
Production:						
Crude, primary	106,162	110,089	109,540	105,065	117,601	106,304
Crude, secondary	1,669	549	1,277	1,804	756	1,616
Total	107,831	110,638	109,815	106,869	118,449	107,920
Refined	87,923	83,501	84,604	89,269	99,062	91,145
Deliveries, refined	81,574	69,193	72,626	72,647	83,305	64,565
Stock at end, refined	142,971	144,893	146,456	150,444	144,650	136,483

(a) Corrected figures.

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(Continued from page 1)

Standard tin on the London Metal exchange, first session, per long ton was as follows:

	Standard Tin Spot	Standard Tin 3-Months
July 13	£683¾	£683¾
July 14	£724¾	£723¾
July 17	£686	£682
July 18	£691½	£691½
July 19	£661½	£661½

Quotation on 99% grade (tin content): July 13th, 90½; 14th, 96; 15th, 96; 17th, 91; 18th, 90; 19th, 88½.

Quicksilver

The Korean situation has prompted a surge of interest in quicksilver on the part of buyers, and as a result the market has firmed up appreciably during the past week.

The New York market for the metal is quotable nominally at $73 per flask.

Manganese Ore

Though most operators report that the supply situation in manganese ore has not been altered by recent events abroad, reports that higher prices have been paid persist, injecting renewed confusion over quotations. Large-lot buyers claim that the price range of 79.8 to 81.8c. per long ton unit, c.i.f. U. S. ports, duty included, is fairly representative of the going market in the ore. However, several sellers are holding out for 85c. and even higher.

Silver

The New York market for foreign silver was unchanged last week at 72½c. an ounce troy.

London was unchanged at 63½d.

United States Gold Price

The price paid by the United States Treasury for gold purchased by the mints continued at $35 per troy ounce of fine gold, less ¼ of 1 percent.

Actual payment by the United States Treasury for gold in imported and domestic ore or concentrate is at 99.75 percent of the price quoted by the Treasury, which at present is equal to $34.9125 per ounce.

Official London Prices

The following delivered quotations have been fixed by the Ministry of Supply for the United Kingdom:

	Per Long Ton £	s.	d.
COPPER			
Electrolytic, high conductivity	196	0	0
Fire refined, high conductivity	188	0	0
Fire refined, high grade	185	10	0
Fire refined, min. 99.7 percent	185	0	0
Fire refined, min. 99.2 percent	184	10	0
Hot rolled black wire rods, English	196	12	6
LEAD			
Soft, foreign duty paid	96	0	0
Soft, Empire	96	0	0
English, refined	97	10	0
ZINC			
Foreign (G.o.b.) duty paid	127	10	0
Domestic (G.o.b.)	127	10	0
Prime Western and debasseed	127	10	0
Refined and electrolytic	132	0	0
Minimum 99.99 percent	139	0	0

Miscellaneous Metals

Quotations cover wholesale lots, f.o.b. New York, unless otherwise specified.

ALUMINUM—Per lb., base price, f.o.b. shipping point: 30 lb. ingot, 99% plus, 17½c.; in pigs, 16½c.

Base prices on aluminum ingot of higher purity: 99.75%, 18c.; 99.8%, 18½c.; 99.85%, 19½c.; 99.9%, 20½c.

ANTIMONY—Per lb., 99½% grade:

	Domestic, (a) Boxed, New York	Domestic, (b) Bulk, Laredo
July 13	27.780	24.500
July 14	27.780	24.500
July 15	27.780	24.500
July 17	27.780	24.500
July 18	27.780	24.500
July 19	27.780	24.500

(a) Boxed (224 lb.); 10,000 lb. or more but less than a carload, ex store, New York area. (b) In bulk, carload lots, f.o.b. Laredo, Texas; in cases one-half cent extra.

Chinese antimony—Per lb., min. 99%, in case f.o.b. N. Y., duty paid 23c.

BERYLLIUM—Per lb., f.o.b. Cleveland: Technical pebbles, $65; Premium pebbles, $55.

BISMUTH—Per lb., in ton lots, $2.00.

(Continued on page 6)

DAILY PRICES OF METALS (*E & M J Quotations*)

July	Electrolytic Copper: Domestic Refinery	Electrolytic Copper: Export Refinery	Straits Tin, New York	Lead: New York	Lead: St. Louis	Zinc: East St. Louis
13	22.200	22.425	91.500	12.000	11.800	15.000
14	22.200	22.425	97.000	12.000	11.800	15.000
15	No Market	22.425	97.000	12.000	11.800	15.000
17	22.200	22.425	92.000	12.000	11.800	15.000
18	22.200	22.425	91.000	12.000	11.800	15.000
19	22.200	22.425	89.500	12.000	11.800	15.000
Average	22.200	22.425	93.000	12.000	11.800	15.000

Average prices for calendar week ended July 15 are: Domestic copper f.o.b. refinery, 22.200c.; export copper f.o.b. refinery 22.425c.; Straits tin, 89.958c.; New York lead, 11.583c.; St. Louis lead, 11.383c.; St. Louis zinc, 15.000c.; and silver 72.750c.

The above quotations are our appraisal of the major United States markets, based on sales reported by producers and agencies. They are reduced to the basis of cash, New York or St. Louis, as noted. All prices are in cents per pound.

Copper, lead and zinc quotations are based on sales for both prompt and future deliveries; tin quotations are for prompt delivery only.

In the trade, domestic copper prices are quoted on a delivered basis; that is, delivered at consumers' plants. As delivery charges vary with the destination, the figures shown above are net prices at refineries on the Atlantic seaboard. Delivered prices in New England average 0.500c. per pound above refinery basis.

Our export quotation for copper reflects prices obtaining in the open market and is based on sales in the foreign market reduced to the f.a.b. refinery equivalent, Atlantic seaboard. On f.a.s. transactions we deduct 0.075c. for lighterage, etc., to arrive at the f.a.b. refinery quotation.

Quotations for copper are for the ordinary forms of wirebars and ingot bars. For standard ingots an extra 0.0875c. per pound is charged; for slabs 0.125c. up, and for cakes 0.275c. up, depending on weight and dimensions; for billets an extra 1.05c. up, depending on dimensions and quality. Cathodes in standard sizes are sold at a discount of 0.125c. to 0.15c. per pound.

Quotations for zinc are for ordinary Prime Western brands. Premiums obtaining over Prime Western zinc in the East St. Louis market on the following grades, in cents per pound: Selected 0.15c.; Brass Special, 0.25c.; Intermediate, 0.5c. High Grade zinc sold on contract, delivered in the East and Middle West, commands a premium of 1.15c. per pound over the East St. Louis basis for Prime Western. (on Special) High Grade the premium or differential is 1.25c. per pound.

Quotations for lead reflect prices obtained for common lead only. The differential on sales in the Chicago district is 15 points under New York; for New England add 7½ points to the New York basis. Corroding grade commands a premium over common lead of 10 points.

Silver, Gold, and Sterling Exchange

July	Sterling Exchange "Checks"	Silver New York	Silver London	Gold London
13	$2.80	72⅝	63½d.	248s.
14	2.80	72⅝	63½d.	248s.
15		Not Quoted		
17	2.80	72⅝	63½d.	248s.
18	2.80	72⅝	63½d.	248s.
19	2.80	72⅝	63½d.	248s.

Average silver, 72.750c.; Sterling Exchange 280.000c.

The daily New York silver quotation reported by Handy & Harman is for silver contained in ores and other unrefined silver-bearing materials, in cents and one-eighth cent fractions per troy ounce. It is determined by Handy & Harman on the basis of actual sales of bar silver .999 fine in amounts of 50,000 ounces or more for nearby delivery at New York, and is usually one-quarter cent below the price paid for such bar silver, this reduction being allowance for carrying, delivering, and marketing, in addition to foreign silver, the quotations also apply to domestic and Treasury silver if such silver enters the New York market.

The Treasury's purchase price of newly mined domestic silver was established at 90.5c. per troy ounce, 1000 fine, effective on July 1, 1946 under an amendment to the Silver Purchase Act of July 4, 1939.

London silver quotations are in pence per troy ounce, basis .999 fine.

London gold quotations are per troy ounce, basis 1000 fine.

Sterling quotations represent the demand market in the foreman. For premium on yuhiss see Foreign Exchange.

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Miscellaneous Metals

(Continued from page 5)

CADMIUM — Per lb. Commercial sticks, wholesale quantities, delivered:

July 13	$2.15
July 14	2.15
July 15	2.15
July 17	2.15
July 18	2.15
July 19	2.15

COBALT — Per lb., 97@99 percent, $1.80 for 500 lb. (bbl.); $1.82 for 100 lb. (case); $1.87 under 100 lb.

IRIDIUM — Per oz. troy, $160, sponge or powder. Quotation nominal.

MAGNESIUM — Per lb., f.o.b. producer's plant, ingots (4x16 in.), 99.8 percent, carload lots, 21½c.; 100 lb. or more, l.c.l., 23½c. Extruded sticks, carload lots, 29c.; 100 lb. or more, l.c.l. 31c.

NICKEL—Per lb., electrolytic cathodes, f.o.b. Port Colborne, Ont., contract price, 48c., U. S. import duty included. Nickel oxide sinter, 44½c. per lb. of nickel content, f.o.b. Copper Cliff.

PALLADIUM—Per oz. troy, $24.

PLATINUM — Per oz. troy, $74 on wholesale lots; $77 on sales to consumers.

QUICKSILVER—Per flask of 76 lb., $70@$72.

RHODIUM — Per oz. troy, $125.

RUTHENIUM — Per oz. troy, $74@$77.

SELENIUM — Per lb. $2.25 for black, powdered, 99.5 percent pure.

TUNGSTEN — Per lb., 98.8 percent minimum, 1,000 lb. lots, $2.80. Hydrogen reduced tungsten, 99.9 percent plus $4.50.

Quotations on other miscellaneous metals appeared in June 8 issue.

Metallic Ores

Prices in tons of 2,000 lbs., or in "units" of 20 lb., unless otherwise stated.

CHROME ORE—Per long ton, dry basis, subject to penalties if guarantees are not met, f.o.b. cars New York, Philadelphia, Baltimore, etc.

Indian and Rhodesian:
48% Cr_2O_3, 3 to 1 ratio, lump ..... $35.00@$36.00
49% Cr_2O_3, 2.5 to 1 ratio $32.50
48% Cr_2O_3, no ratio $25.00

South African (Transvaal):
48% Cr_2O_3, no ratio $36.00
45% Cr_2O_3, no ratio ..... $17.00@$18.50

Turkish:
48% Cr_2O_3, 3 to 1 ratio ..... $37.50@$38.50

Brazilian:
44% Cr_2O_3, 2.5 to 1 ratio, lump ..... (a) $31.00
Domestic, 48%, 3 to 1 ratio, $30 per ton, f.o.b. nearest shipping point. Nominal.

(a) Nominal.

MANGANESE ORE—On long-term contracts involving large tonnages prices wholly normal and a matter for negotiation. Nearby business, basis 48% Mn, 79.8@81.8c. per long tons unit, c.i.f. U.S. ports (duty included).

TUNGSTEN ORE—Per short ton unit of WO_3, for ore of known good analysis: Chinese, duty paid, New York, $23@$23.50. Bolivian, Brazilian, etc., duty paid $23@$23.50. Domestic scheelite delivered to buyer's plant, $28.50.

Quotations on other ores appeared in June 5 issue.

Rolled Metals, Etc.

BRASS—Cents per lb. (base prices)

	Sheet	Wire	Rods
Yellow Brass	34.19	34.48	a28.54
Best quality brass	35.04	35.33	34.73
Red brass 80%	35.52	35.81	35.21
Red brass 85%	35.96	36.25	35.65
Com'l bronze	36.93	37.22	36.62
Gilding metal	37.38	37.67	37.07

(a) Free cutting

CADMIUM—Per lb. Special shapes, to platers, $2.30.

COPPER—Per lb. Sheets, over 20 in. wide, 37.43c.; rolls, 20 in. and under, 35.46c.; Wire, bare, carload lots, f.o.b. mills 26.67c.

LEAD SHEETS—Per lb., full rolled, 140 sq. ft. 17c.

ZINC—Per lb., carload lots, f.o.b. mill (base price): Sheet 20½c.; ribbon 20c.; plates 19@20c., depending on size.

Alloys

BERYLLIUM-COPPER—Master alloy, 4 percent beryllium, remainder copper, in lots 5 lb. or more of beryllium, $30.00 per lb. of contained Be, effective July 14.

FERROCHROMIUM—Per lb. of Cr: High carbon (4 to 9% C) 65 to 69% Cr, lump, carloads, delivered Eastern zone, 20.5c.

FERROMANGANESE—Per gross ton, 78@82 percent, $172, seaboard.

FERROMOLYBDENUM, Etc.—Per lb. of Mo contained, f.o.b., shipping point: Ferromolybdenum, 55@65 percent Mo $1.13; calcium molybdate ($CaO\ MoO_3$), 96c.; molybdic trioxide (MoO_3), 94c.

Tri-State Concentrates

Joplin, Mo., July 15, 1950

Blende	Per Ton
Prime coarse (jig and table, 60% zinc)	$[illegible]
Flotation, 60% zinc	$[illegible]
Galena	
Coarse and flotation, 80% lead	$147.67

The price situation in zinc concentrate in the Tri-State market remains unchanged.

Lead concentrate is quotable at $147.67 per ton. The higher price was established on the recent increase in pig lead to the basis of 11.80c., St. Louis.

Correction—In the Joplin report dated July 1, published in the issue of July 6, the price of galena, basis 80% lead, should have been $133.27, and not $140.47 per ton.

Acquires White Bros. Corp.

The Federated Metals Division of the American Smelting & Refining Co. has acquired the business of White Bros. Smelting Corp., Philadelphia, producer of brass ingot and smelter of copper and brass scrap and residues. The company was organized in 1909.

Smelters' Copper Scrap Prices

Custom smelters' buying prices for copper scrap, carload lots, refinery:

No. 1 heavy copper and wire, 19½c.
No. 2 heavy copper and wire, 18½c.;
Light copper, 17½c.; refinery brass, 17½c.

Dealers' Scrap Prices

Dealers' buying prices, f.o.b. New York or equivalent freight points, for wholesale quantities in cents per lb.

No. 1 copper wire	17½@18
Heavy copper & wire, mixed	16½@16[illegible]
Light copper	15½@15[illegible]
No. 1 composition	14½@14[illegible]
Composition turnings	13½@14
Cocks and faucets	12½@13
Light brass	9½@10
Yellow brass turnings, mix.	9@9½
Heavy yellow brass, mixed	10@10½
Auto radiators, unsweated	11@11½
Brass pipe, cut	12½@13
Rod brass turnings, No. 1	13@13½
Rod ends, brass	13½@13[illegible]
New soft brass clips	14½@14[illegible]
Cast aluminum, mixed	7½@8
Aluminum pistons, clean	7½@8
Aluminum crankcases	8½@9
Aluminum clips, new soft	10½@11
Sheet aluminum, old clean	7½@8
Duralumin clips, new	8½@9
Aluminum turnings, clean	5½@6
Zinc die cast, mixed	5½@6
Zinc die cast, new	8½@9
Old zinc	5@5½
New zinc clips	10@10½
Soft or hard lead	9½@9[illegible]
Battery plates	5@5½
Babbitt mixed	9½@10
Linotype or stereotype	11½@12
Electrotype	9½@10
Solder joints close cut	13½@13[illegible]
Block tin pipe	60@62
No. 1 pewter	40@41
Autobearing babbitt	30@32
Monel clips, new	15@17
Monel sheet, clean	15@16
Monel turnings	12@13
Nickel clips, new	30@32
Nickel anodes, cast	28@30

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Lead	.0001
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